

Mr. Brian Cavagnini
Meritor Automotive, Inc. - QRI
846 Whitaker Road
Plainfield, IN 46168

Re: 063-12519
Notice-only change to
MSOP 063-11118-00046

Dear Mr. Cavagnini:

Meritor Automotive, Inc. - QRI was issued a permit on October 10, 1999 for a stationary aftermarket manufacturer of heavy duty truck components. A letter notifying the Office of Air Management of the addition of one (1) tumblast unit (PL-118), one (1) welding station (PL-119) and the request to modify the equipment descriptions listed in Section D.2, was received on July 24, 2000. Pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby revised as follows:

1. Section A.2, Emission units and Pollution Control Equipment Summary listed on page 4 of 26, is revised as follows to incorporate the tumblast unit and the welding station (changes are crossed out and bolded for emphasis):

A.2 Emissions units and Pollution Control Equipment Summary

This stationary source is approved to construct and operate the following emissions units and pollution control devices:

- (a) One (1) sandblast wheelabrator, identified as PL-104, with a maximum capacity of one hundred (100) pounds per hour, using a baghouse as control, and exhausting inside the building.
 - (b) One (1) spinblast wheelabrator, identified as PL-101, with a maximum capacity of twenty-one hundred (2,100) pounds per hour, using a mpf cartridge collector as control, and exhausting inside the building.
 - (c) One (1) tumblast wheelabrator, identified as PL-100, with a maximum capacity of six hundred ~~(600)~~ **and sixty (660)** pounds per hour, using a baghouse as control, and exhausting inside the building.
 - (d) **One (1) tumblast wheelabrator, identified as PL-118, with a maximum capacity of six hundred and sixty (660) pounds per hour, using a baghouse as control, and exhausting inside the building.**
 - (e) **One (1) MIG welding station, identified as PL-119, with a maximum wire consumption of 0.02 pounds per day, and exhausting inside the building.**
2. Section D.1, Facility Description listed on page 15 of 26, is revised as follows to incorporate the new tumblast unit (changes are crossed out and bolded for emphasis):

Emissions unit Description

- (a) One (1) sandblast wheelabrator, identified as PL-104, with a maximum capacity of one hundred (100) pounds per hour, using a baghouse as control, and exhausting inside the building.
- (b) One (1) spinblast wheelabrator, identified as PL-101, with a maximum capacity of twenty-one hundred (2,100) pounds per hour, using a mpf cartridge collector as control, and exhausting inside the building.
- (c) One (1) tumblast wheelabrator, identified as PL-100, with a maximum capacity of six hundred (600) pounds per hour, using a baghouse as control, and exhausting inside the building.
- (d) **One (1) tumblast wheelabrator, identified as PL-118, with a maximum capacity of six hundred and sixty (660) pounds per hour, using a baghouse as control, and exhausting inside the building.**

3. Condition D.1.1, Particulate Matter (PM) located on page 15 of 26, is revised as follows to reflect the correct allowable PM emission rate for the four (4) blasting facilities (changes are crossed out and bolded for emphasis):

D.1.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the shot blasting facilities shall not exceed ~~6-74~~ **5.99** pounds per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour.}$$

The allowable emission value listed above is based on the following calculation:

$$P = (2100 \text{ lb/hr} + 100 \text{ lb/hr} + 2(660 \text{ lb/hr}))/2000 \text{ lb/ton} = 1.76 \text{ ton/hr} \\ E = 4.10 * (1.76 \text{ ton/hr})^{0.67} = 5.99 \text{ lb/hr.}$$

4. Section D.2, Facility Description listed on page 17 of 26, is revised as follows to incorporate all of the degreasing equipment listed in SSOA 063-11118. In addition this section cites the incorrect rule cite for degreasing operations under the SSOA rules. The correct rule cite should be 326 IAC 2-9-12 in stead of 326 IAC 2-9-13 (changes are crossed out and bolded for emphasis):

Emissions unit Description

- (a) ~~One (1)~~ **Eight** cold cleaning facilities **designed as PL-103, PL-111 through PL-117**, with a maximum solvent usage of ~~4-33~~ **0.17** gallons per day **each**;
- (b) ~~One (1) open top degreasing facility~~ **Two (2) vibratory solvent cleaners designed as PL-102 and PL-120**, with a maximum solvent usage of ~~0-17~~ **1.33** gallons per day **each**.

These equipment/operation are covered by 326 IAC 2-9-~~43~~ **12**(Degreasing operation)). These requirements are included on pages 22 to 26.

5. The technical support document for MSOP 063-11118-00046 states on page 6 of 6 that the degreasing operations are not subject to 326 IAC 8-3-2 and 326 IAC 8-3-5 because the units are covered under the SSOA. Even though the units are covered under SSOA 063-11118, the units are still subject to any applicable 326 IAC 8-3 rules, such as 326 IAC 8-3-2 and 326 IAC 8-3-5. 326 IAC 2-9-12 (Degreasing Operations) states that a owner or operator of a degreasing unit which elects to comply with such rule

must comply with the requirements listed in 326 IAC 2-9-12(a)(1-3). 326 IAC 2-9-12(a)(2), states that the source must comply with any applicable 326 IAC 8-3 rules. In this case, 326 IAC 8-3-2 and 326 IAC 8-3-5 are applicable because the degreasing and cleaning units use organic solvents.

6. Section D.5 is added as follows to the MSOP, page 19a of 26, to incorporate the new welding station (changes are crossed out and bolded for emphasis):

SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS

One (1) MIG welding station, identified as PL-119, with a maximum wire consumption of 0.02 pounds per day, and exhausting inside the building.

Emission Limitations and Standards

D.5.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour. Therefore, the welding operation shall not exceed 0.551 pounds per hour per unit, based on a maximum process weight of less than 100 pounds per hour per unit.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.5.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.5.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

7. The table of contents is revised to reflect the addition of Section D.5 (welding operation).

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Nysa L. James, at (800) 451-6027, press 0 and ask for Nysa L. James or extension (3-6875), or dial (317) 233-6875.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments

NLJ

cc: File - Hendricks County
U.S. EPA, Region V
Hendricks County Health Department
Air Compliance Section Inspector - Marc Goldman
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

MINOR SOURCE OPERATING PERMIT OFFICE OF AIR MANAGEMENT

**Meritor Automotive, Inc. - QRI
849 Whitaker Road
Plainfield, Indiana 46168**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 063-11118-00046	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: October 10, 1999
First Notice Only Change: 063-12519	Pages Affected: 3, 4, 15, 17 and 19a
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

Compliance Monitoring Requirements

D.1.4 Baghouse Inspections

D.1.5 Broken or Failed Bag Detection

D.2 Emissions unit OPERATION CONDITIONS - Cold Cleaning and Open top Degreasing

D.3 Emissions unit OPERATION CONDITIONS - Bake-off Oven

D.4 Emissions unit OPERATION CONDITIONS - Paint Booth

D.5 Emissions unit OPERATION CONDITIONS - Welding Station

Malfunction Report

Attachments: SSOA(S 063-11118-00046)

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary aftermarket manufacturer of heavy duty truck components.

Authorized Individual: Brian Cavagnini
Source Address: 849 Whitaker Road, Plainfield, Indiana 46168
Mailing Address: 849 Whitaker Road, Plainfield, Indiana 46168
Phone Number: 317-839-9525
SIC Code: 3714
County Location: Hendricks
County Status: Attainment for all criteria pollutants
Source Status: Minor Source, under PSD or Emission Offset Rules;

A.2 Emissions units and Pollution Control Equipment Summary

This stationary source is approved to construct and operate the following emissions units and pollution control devices:

- (a) One (1) sandblast wheelabrator, identified as PL-104, with a maximum capacity of one hundred (100) pounds per hour, using a baghouse as control, and exhausting inside the building.
- (b) One (1) spinblast wheelabrator, identified as PL-101, with a maximum capacity of twenty-one hundred (2,100) pounds per hour, using a mpf cartridge collector as control, and exhausting inside the building.
- (c) One (1) tumblast wheelabrator, identified as PL-100, with a maximum capacity of six hundred and sixty (660) pounds per hour, using a baghouse as control, and exhausting inside the building.
- (d) One (1) tumblast wheelabrator, identified as PL-118, with a maximum capacity of six hundred and sixty (660) pounds per hour, using a baghouse as control, and exhausting inside the building.
- (e) One (1) MIG welding station, identified as PL-119, with a maximum wire consumption of 0.02 pounds per day, and exhausting inside the building.

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions unit Description

- (a) One (1) sandblast wheelabrator, identified as PL-104, with a maximum capacity of one hundred (100) pounds per hour, using a baghouse as control, and exhausting inside the building.
- (b) One (1) spinblast wheelabrator, identified as PL-101, with a maximum capacity of twenty-one hundred (2,100) pounds per hour, using a mpf cartridge collector as control, and exhausting inside the building.
- (c) One (1) tumblast wheelabrator, identified as PL-100, with a maximum capacity of six hundred (600) pounds per hour, using a baghouse as control, and exhausting inside the building.
- (d) One (1) tumblast wheelabrator, identified as PL-118, with a maximum capacity of six hundred and sixty (660) pounds per hour, using a baghouse as control, and exhausting inside the building.

Emission Limitations and Standards

D.1.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the shot blasting facilities shall not exceed 5.99 pounds per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.1.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.3 Particulate Matter (PM)

The baghouses and the mpf cartridge collector for PM control shall be in operation at all times when the shot blast machines are in operation.

SECTION D.2 Emissions unit OPERATION CONDITIONS

Emissions unit Description	
(a)	Eight cold cleaning facilities designated as PL-103, PL-111 through PL-117, with a maximum solvent usage of 0.17 gallons per day each;
(b)	Two (2) vibratory solvent cleaners designated as PL-102 and PL-120, with a maximum solvent usage of 1.33 gallons per day each.

These equipment/operation are covered by 326 IAC 2-9-12 (Degreasing operation)). These requirements are included on pages 22 to 26.

SECTION D.5

EMISSIONS UNIT OPERATION CONDITIONS

One (1) MIG welding station, identified as PL-119, with a maximum wire consumption of 0.02 pounds per day, and exhausting inside the building.

Emission Limitations and Standards

D.5.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour. Therefore, the welding operation shall not exceed 0.551 pounds per hour per unit, based on a maximum process weight of less than 100 pounds per hour per unit.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.5.2 Testing Requirements [326 IAC 2-1.1-11]

The Permittee is not required to test this emissions unit by this permit. However, IDEM may require compliance testing when necessary to determine if the emissions unit is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.5.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Indiana Department of Environmental Management Office of Air Management

Technical Support Document (TSD) for a Part 70 Significant Source Modification

Source Background and Description

Source Name:	Meritor Automotive, Inc. - QRI
Source Location:	849 Whitaker Road, Plainfield, IN 46168
County:	Hendricks
SIC Code:	3714
Significant Source Modification No.:	063-12519-00046
Permit Reviewer:	Nysa L. James

The Office of Air Management (OAM) has reviewed a modification application from **(source name)** relating to the construction of the following emission units and pollution control devices: **(list new facilities)**

(The facility descriptions should be written as they will appear in Sections A and D of the permit):

(a) **(Type of facility)**, identified as **(facility ID)**, with a maximum capacity of **(maximum capacity)**, using **(control equipment)** as control, and exhausting to stack **(stack ID)**.

(examples)

(a) **One (1) heat set web offset lithographic printing press with a maximum line speed of 150 feet per minute and a maximum printing width of thirteen (13) inches, exhausting at one (1) stack, identified as S₃.**

(b) **A woodworking shop equipped with one (1) baghouse for particulate control.**

History

(example)

On January 7, 1998, **(source name)** submitted an application to the OAM requesting to add additional surface coating lines to their existing plant. **(Source Name)** was issued a Part 70 permit on December 14, 1998. **(Type in any additional information that would pertain to the history of this source).**

(Include the Source Definition section if applicable, or simply reiterate what was already on the Title V review:)

Source Definition *(optional)*

(Use the following language if a source consists of two (2) or more plants:)

This ***(source description)*** company consists of two (2) plants:

- (a) Plant 1 is located at ***(street address, city, state)***; and
- (b) Plant 2 is located at ***(street address, city, state)***.

Since the two (2) plants are located in contiguous properties, have the same SIC codes and are owned by one (1) company, they will be considered one (1) source.

(Use the following language if the source has an on-site contractor:)

This ***(source description)*** consists of a source with ***(an)*** on-site contractor***(s)*** :

- (a) Plant 1 ***(Company name)***, the primary operation, is located at ***(street address, city, state)***; and
- (b) Plant 2 ***(Contractor name)***, the supporting operation, is located at ***(street address, city, state)***.

IDEM has determined that Plant 1 ***(Company name)*** and Plant 2 ***(Contractor name)*** are under the common control of ***(Company name)***. These two plants are considered one source due to contractual control. Therefore, the term "source" in the Part 70 documents refers to both ***(Company name)*** and ***(Contractor name)*** as one source.

(Add the following, if applicable)

Separate Part 70 permits will be issued to ***(Company name)*** and ***(Contractor name)*** solely for administrative purposes.

(Use the following section if the source has submitted information stating that the control equipment is an integral part of the process:)

Air Pollution Control Justification as an Integral Part of the Process *(optional)*(this deals with the new emission units only)

The company has submitted the following justification such that the ***(air pollution control equipment, ie. Baghouse, afterburner)*** be considered as an integral part of the ***(process)***:

- (a) ***Specify the important points of the justification.***
- (b)

IDEM, OAM has evaluated the justifications and agreed that the ***(air pollution control equipment)*** will be considered as an integral part of the ***(process)***. Therefore, the permitting level will be determined using the potential to emit after the ***(air pollution control equipment)***. Operating conditions in the proposed permit will specify that this ***(air pollution control equipment)*** shall operate at all times when the ***(process)*** is in operation.

or

IDEM, OAM has evaluated the justifications and determined that the ***(air pollution control equipment)*** will not be considered as an integral part of the ***(process)***. Therefore, the

permitting level will be determined using the potential to emit before the **(air pollution control equipment)**.

Enforcement Issue

(Choose all that apply to the source from the options below:)

(Use the following for CWOP and/or OWOP facilities)

- (a) IDEM is aware that equipment has been constructed **(and/or operated)** prior to receipt of the proper permit.
- (b) IDEM is reviewing this matter and will take appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.

(Use the following for sources with enforcement actions pending:)

The source has the following enforcement actions **(e.g Notices of Violation (NOV's), Agreed Orders)** pending:

(1) **Briefly describe pending action.**

(2)

(Use the following for sources with no pending enforcement actions:)

There are no enforcement actions pending.

Stack Summary *(This is for the new emission units only)*

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)

(delete rows not needed)

Recommendation

The staff recommends to the Commissioner that the Part 70 Minor **(or Significant)** Source Modification be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on (date), **(Add the following if applicable:)** Additional information was received on **(date)**.

Emission Calculations

See Appendix A of this document for detailed emissions calculations **(specify the page numbers in Appendix A, ie. pages 15 through 18.)**

or

The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations are provided in Appendix A of this document **(specify the page**

numbers in Appendix A, ie. pages 15 through 18.)

Potential To Emit of Modification

(Use this table to show the PTE of the modification, the PTE is before controls unless the controls are inherent to the process or federally enforceable)

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

(For each pollutant below record the potential to emit of the new emission units)

Pollutant	Potential To Emit (tons/year)
PM	
PM-10	
SO ₂	
VOC	
CO	
NO _x	

(If source has HAP emissions, specify the HAPs below and record the potential to emit)

HAP's	Potential To Emit (tons/year)
<i>(specify the HAP)</i>	<i>(greater than 10)</i>
TOTAL	

Justification for Modification

The Part 70 Operating permit is being modified through a Part 70 (Minor or Significant) Source Modification. This modification is being performed pursuant to 326 IAC ***(please use the rule cite which most closely matches the category of modification you are using, e.g. 2-7-10.5(d)(8), and quote the rule in part or total).***

County Attainment Status

The source is located in (county name) County.

Pollutant	Status (attainment, maintenance attainment, or unclassifiable; severe, moderate, or marginal nonattainment)
PM-10	
SO ₂	
NO ₂	
Ozone	

CO	
Lead	

(choose the following if the source is located in a county in attainment for ozone:)

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NO_x) are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. **(Name)** County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (b) **(Name)** County has been classified as attainment or unclassifiable for **(pollutant(s))**. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (c) Fugitive Emissions **(optional)**
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive PM emissions are not counted toward determination of PSD and Emission Offset applicability.

or

(choose the following if the source is located in a county that is nonattainment for ozone:)

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NO_x) are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. **(Name)** County has been designated as nonattainment for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (b) **(Name)** County has been classified as nonattainment for **(pollutant(s))**. Therefore, these emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.
- (c) **(if applicable, indicate if the source is or is not located in the nonattainment portion of a county, such as the township)**
- (d) Fugitive Emissions **(optional)**
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive PM emissions are not counted toward determination of PSD and Emission Offset applicability.

Source Status

(Use this table to show the source existing PTE before the modification. This table is to determine if the existing status is PSD or Emission Offset)

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	

PM-10	
SO ₂	
VOC	
CO	
NO _x	

(Choose the proper statement)

- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the 28 listed source categories.

OR

This existing source is a major stationary source because an attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the 28 listed source categories.

OR

This existing source is a major stationary source because an attainment regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the 28 listed source categories.

- (b) These emissions are based upon **(state the document used for the source of this emission information)**.

Potential to Emit of Modification After Issuance

(Use this table to show the PTE of the modification after controls. This table shows if the modification is a minor or major PSD or Emission Offset modification.)

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs

(use this for existing minor source in attainment county)

This modification to an existing minor stationary source is not major because the emission

increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

(use this for existing minor source in nonattainment county)

This modification to an existing minor stationary source is not major because the emission increase is less than the Emission Offset significant levels. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.

(use this for existing major source in attainment county)

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

(use this for existing major source in nonattainment county)

This modification to an existing major stationary source is not major because the emissions increase is less than the Emission Offset significant levels. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.

- (b) The (***pollutant***) is limited to (?) tons/yr, therefore, (?) requirements do not apply. This limit is equivalent to (***? throughput***). (***Show the calculations here***)

Portable Source *(Use the following language if working with a portable source)*

- (a) Initial Location
This is a portable source and its initial location is (***complete address, include no., street, city, state, zip code***).
- (b) PSD and Emission Offset Requirements
The emissions from this portable source were reviewed under the requirements of the Prevention of Significant Deterioration (PSD), 326 IAC 2-2, 40 CFR 52.21, and Emission Offset, 326 IAC 2-3.
- (c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed sources under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.
- (d) Local Agency (***optional***)
Based on the initial location of this source, the (***local agency***) shall be contacted for additional air operating requirements. OAM has the authority to issue this construction permit.

Federal Rule Applicability

(Choose one of the following for NSPS)

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.
- or***
- (a) (***This source or The facility/unit***) is not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.(***number***), Subpart (***letter***)), due to (***size, date of construction, etc.***).

and/or

- (a) ***(This source or The facility/unit)*** is subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.(number), Subpart (letter)). ***(Summarize the requirements and/or limits.)***

(example for 40 CFR Part 60, Subpart OOO)

This limestone processing plant is subject to the New Source Performance Standard 326 IAC 12, 40 CFR 60.670 through 60.676, Subpart OOO. This rule requires the particulate emissions from:

- (a) the crushing operations to be limited to fifteen percent (15%) opacity or less, and
- (b) the screening and conveying operations to be limited to ten percent (10%) or less.

(Choose one of the following for NESHAPS)

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPS)(326 IAC 14 and 40 CFR Part 63) applicable to this proposed modification.

or

- (b) ***(This source or The (facility/unit))*** is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPS), Subpart (xxx) due to ***(size, date of construction, etc.)***.

or

- (b) ***(This source or The (facility/unit))*** is subject to the National Emission Standards for Hazardous Air Pollutants, 326 IAC 14, (40 CFR 60. (number), Subpart (letter)). ***(List the requirements and enclose a copy of the federal rule if the NESHAP has not applied to the source in the past.)***

The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart (XX).

(example for 40 CFR Part 63, Subpart N and 326 IAC 20-1-1, Chromium Electroplating)

The chromium electroplating operations are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPS), 326 IAC 14, (40 CFR 63, Subpart N, and 326 IAC 20-1-1). Pursuant to 40 CFR 63, Subpart N, and 326 IAC 20-1-1, the chromium electroplating operations are subject to the following conditions:

- (1) The surface tension of the chromium electroplating bath contained with the tank shall not exceed forty-five (45) dynes per centimeter at any time during the operation of the tank if a chemical fume suppressant containing a wetting agent is used to demonstrate compliance.
- (2) Each time that surface tension monitoring exceeds forty-five (45) dynes per centimeter, the frequency of monitoring must revert back to every four (4) hours of tank operation. After forty (40) hours of monitoring tank operation every four (4) hours with no exceedances, surface tension measurement may be conducted once every eight (8) hours of tank operation. Once there have been no exceedances during forty (40) hours of tank operation, surface tension measurement may be conducted once every forty (40) hours of tank operation

on an ongoing basis, until an exceedance occurs.

- (3) An alternative emission limit of 0.01 milligram per day standard cubic meter (mg/dscm) will be applicable if the chromium electroplating bath does not meet the limit above.
- (4) A summary report shall be prepared to document the ongoing compliance status of the chromium electroplating operation. This report shall be completed annually, retained on site, and made available to IDEM upon request. If there are significant exceedance of chromium air emission limits (as defined in 40 CFR Part 63.347(h)(2)), then semiannual reports shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Branch, Office of Air Management
Chromium Electroplating
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206
- (5) The chromium electroplating operations shall be subject to the record keeping and reporting requirement as indicated in the chromium electroplating NESHAP.

State Rule Applicability - Individual Facilities

(This section is only for the new emission units)

(List all state rules that apply to specific facilities. Also list any state rules which stipulate a numerical limit (include the limit) and/or all state rules which require compliance determination or compliance monitoring.)

(Examples)

326 IAC 8-2-9 (Miscellaneous Metal Coating)

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coating delivered to the applicator at the **spray booth** shall be limited to **3.5** pounds of VOCs per gallon of coating less water, for **forced warm air dried coatings**.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

Based on the MSDS submitted by the source and calculations made, the spray booth is in compliance with this requirement. ***(This statement of compliance assumes that the source has submitted proof that this formulation data (eg. MSDS) is consistent with Method 24. The source must do this before compliance can be determined.)***

326 IAC 6-3-2 (Process Operations)

Pursuant to **CP XXX-XXXX-XXXXX**, issued on **(month-day-year)**, ***(remove "Pursuant to CP XXX-XXXX-XXXXX, issued on (month-day-year)" if this requirement was not previously listed in a construction permit)*** the particulate matter (PM) from the **(facility)** shall be limited by the following:

(Choose the appropriate equation)

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

The **(control equipment)** shall be in operation at all times the **(facility)** is in operation, in order to comply with this limit.

or

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

The **(control equipment)** shall be in operation at all times the **(facility)** is in operation, in order to comply with this limit.

Compliance Requirements

(The following two paragraphs should be included in every Part 70 TSD.)

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAM, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this modification are as follows:

(complete this section for each facility that has compliance monitoring conditions)

1. The **(specify facility)** has applicable compliance monitoring conditions as specified below: ***(list conditions)***

(Examples - check applicability and compliance monitoring guidance)

- (a) Daily visible emissions notations of the **shot blasting stack exhaust (specify facility)** shall be performed during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

- (b) The Permittee shall record the total static pressure drop across the **baghouse** controlling the **shot blasting system**, at least once daily **(or once per shift)** when the **shot blasting system** is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the **baghouse** shall be maintained within the range of **3.0 to 6.0** inches of water or a range established during the latest stack test. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the pressure reading is outside of the above mentioned range for any one reading.

These monitoring conditions are necessary because **(explain--examples are shown below:)**

the baghouse for the melting process must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-7 (Part 70).

(repeat the above procedure for any other facilities having applicable compliance monitoring conditions.)

Conclusion

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 **(Minor or Significant)** Source Modification No. 000-0000-00000.